~~CONFIDENTIAL~~

9 July 1971

CONCLUSIONS DRAWN IN THE 25X1A5A1 [redacted] 25X1A6D [redacted]

25X1A6D

1. Vibrations in [redacted] are just below the levels of human perception.

2. Present ambient vibrations, caused mainly by normal office-type activity, are in the same natural frequency range as the floors of the building and the light tables themselves (20/22 cycles per second). These forcing vibrations set the floors in motion which, in turn, causes critical component parts of the light tables to vibrate multiplied by a factor of 10.

3. With the exception of the ground floor where special and costly, heavy foundations may be constructed, it is not feasible to isolate sensitive equipment in low frequency ranges encountered. Corrections to vibration problems associated with equipment can be most affectively produced by modifications to the equipment.

4. Reduction in the vibration level of the floors would not be economically feasible. If a more vibration-free environment is needed, a different type of structural system, specifically designed to minimize vibrations, is required.

5. Also contributory to the vibration environment of the building is the disturbance caused by trucks, busses, and trains passing outside the building. These forced vibrations are mostly in the 10/12 cycles per second range.

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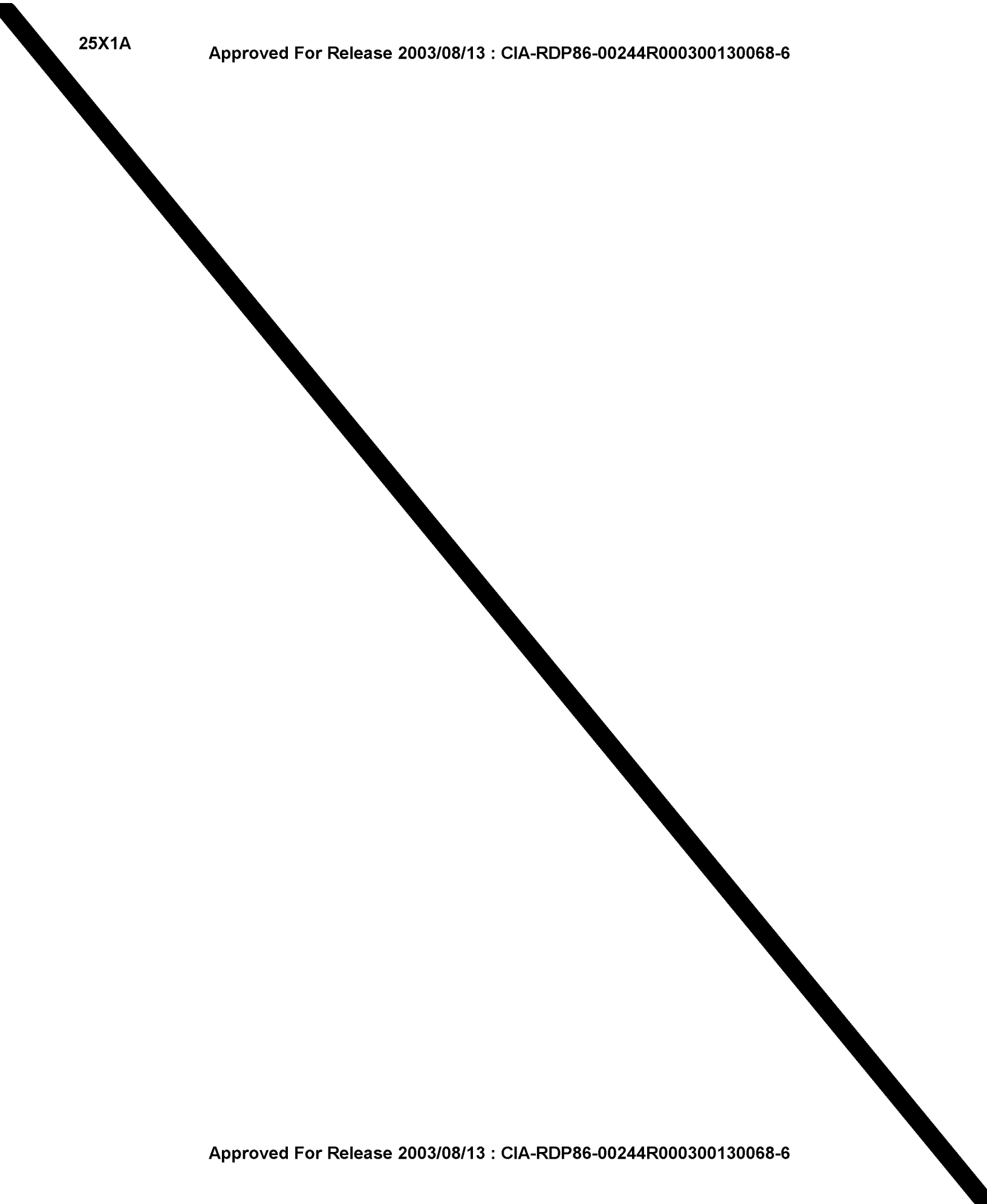

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